



HT High-Temp Silicone Conformal Coating

2106

Techspray offers a variety of coating formulas to match field and engineering requirements. Specifications generally depend on the type of protection needed: e.g. thermal, moisture, and static resistance.

Coatings contain Opti/Scan to allow quality control inspection of coverage and evenness of the coating on a PCB. A coated board can be passed under a standard, low-cost UV (short-wave black) light, and the coated areas glow. The brighter the glow, the thicker the coating.



Superior thermal and moisture resistance

High Temperature Silicone Coating is designed to prevent thermal breakdown at high temperatures. Silicone Conformal Coating is the most universal coating, offering protection for a wide variety of environments.

- Designed for high temperature environments
- Fast-drying silicone 1-step process
- Non-ozone depleting
- Max operating temperature to 662°F (350°C)
- Dielectric strength 560 volts/mil
- Moisture resistant
- Vibration resistant flexible
- UV indicator for bla

Specifications:

- MIL-I-46058C Type SR
- IPC-CC-830B

Product Packaging

2106-12S
 Fine-L-Kote HT Conformal
 Coating
 12 oz
 12 units/case



2106-G
 Fine-L-Kote HT Conformal
 Coating
 1 gal
 1 units/case





Technical Information

Chemical & Physical Properties

Appearance	Clear, colorless liquid
Odor	Aromatic odor
Flash Point	40°F
VOC (EPA)	724 g/l
Boiling Point	110°C (230°F)

Chemical Composition

CHEMICAL NAME	CAS #
Xylenes (o-,m-,p- isomers)	1330-20-7
Benzene- methyl, (Toluene)	108-88-3
Polysiloxane mixture	811-97-2
1,1,1,2-Tetrafluoroethane (aerosol only)	

Performance & Application Data

Cure type	Thermal / air
Tack-free time (min)	45
Accelerated cure time/temp	1 Step: 15 Min.@ 49°C
Ambient cure time	24 hrs
Viscosity (bulk)	10-30 cps
Operating temperature range	-40° - 350° C
Dielectric strength	560 V/Mil
Insulation resistance (ohms)	1.33 x 10 ¹⁶

Environmental Policy

Techspray is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.



Resources

Techspray products are supported by a global sales, technical and customer services resources.

For additional technical information on this product or other Techspray products in the United States, call the technical sales department at 800-858-4043, email tsales@techspray.com or visit our web site at: www.techspray.com.

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Call to locate a distributor in your country.

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